

**SYSTEM AND METHOD FOR POST-FABRICATION REDUCTION OF MINIMUM
FEATURE SIZE SPACING OF MICROCOMPONENTS****ABSTRACT OF THE DISCLOSURE**

A system and method are disclosed which enable post-fabrication reduction of minimum feature size spacing of microcomponents. A method for producing an assembly of microcomponents is provided, in which at least two microcomponents are fabricated having a separation space therebetween. At least one of the microcomponents includes an extension part that is operable to reduce the separation space. Such an extension part may include an extension member that is movably extendable away from its associated microcomponent to reduce the separation space between its associated microcomponent and another microcomponent. The extension part may be latched at a desired position by a latching mechanism. The extension part may be implemented such that the extension member eliminates the separation space, thereby resulting in such extension member engaging another microcomponent. Such engagement may be achieved without requiring power to be applied to the microcomponents. Certain embodiments are insensitive to etching inaccuracy encountered during fabrication.